

10921 109512
10/22/00

Form PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

Atty. Docket No.:
INVA-Q-CIP-2

Serial No.:

Applicant:
Richey, et al.

Filing Date:
October 24, 2000

Group:

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
	AA	2,944,627	February 12, 1958	Skarstrom			
	AB	3,313,091	April 11, 1967	Berlin			
	AC	3,898,047	August 5, 1975	Cramer			
	AD	3,964,866	June 22, 1976	Shelby			
	AE	4,013,429	March 22, 1977	Sircar et al.			
	AF	4,194,890	March 25, 1980	McCombs et al.			
	AG	4,222,750	September 16, 1980	Gauthier et al.			
	AH	4,263,018	April 21, 1981	McCombs, et al.			
	AI	4,331,455	May 25, 1982	Sato			
	AJ	4,349,357	September 14, 1982	Russell			
	AK	4,428,372	January 31, 1984	Reysel, et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	374 540A	June 16, 1932	GB			
	AM	860 647 A	August 26, 1998	EP			
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

29 Aug 02

*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

10/24/02
100709612
PROForm PTO-1449 U.S. Department of Commerce
Patent and Trademark OfficeLIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)Atty. Docket No.:
INVA-Q-CIP-2

Serial No.:

Applicant:
Richey, et al.Filing Date:
October 24, 2000

Group:

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
<i>BB</i>	AA	4,449,990	May 22, 1984	Tedford, Jr.			
	AB	4,516,424	May 14, 1985	Rowland			
	AC	4,552,571	November 12, 1985	Dechene			
	AD	4,576,616	March 18, 1986	Mottram, et al.			
	AE	4,610,700	September 9, 1986	Miller, et al.			
	AF	4,627,860	December 9, 1986	Rowland			
	AG	4,636,226	January 13, 1987	Canfora			
	AH	4,670,223	June 2, 1987	Delachapelle			
	AI	4,673,415	June 16, 1987	Stanford			
	AJ	4,698,075	October 6, 1987	Dechene			
	AK	4,706,664	November 17, 1987	Snook, et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED

29 Aug 02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No.:	Serial No.:			
				INVA-Q-CIP-2				
				Applicant: Richey, et al.				
				Filing Date: October 24, 2000	Group:			
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate	
	AA	4,765,804	August 23, 1988	Lloyd-Williams, et al.				
	AB	4,844,059	July 4, 1989	Koch				
	AC	4,867,766	September 19, 1989	Campbell, et al.				
	AD	4,869,733	September 26, 1989	Stanford				
	AE	4,880,443	November 14, 1989	Miller, et al.				
	AF	4,905,685	March 6, 1990	Olsson, et al.				
	AG	4,922,900	May 8, 1990	Kiske, et al.				
	AH	4,991,616	February 12, 1991	Fabregat				
	AI	5,071,453	December 10, 1991	Hradek, et al.				
	AJ	5,144,945	September 8, 1992	Nishino, et al.				
	AK	5,163,978	November 17, 1992	Leavitt et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR							
	AS							
	AT							
EXAMINER	DATE CONSIDERED							29 Aug 02
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Atty. Docket No.:	Serial No.:		
				INVA-Q-CIP-2			
				Applicant: Richey, et al.			
				Filing Date: October 24, 2000	Group:		
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
AA		5,195,874	March 23, 1993	Odagiri			
AB		5,199,423	April 6, 1993	Harral, et al.			
AC		5,207,806	May 4, 1993	Lagree, et al.			
AD		5,237,987	August 24, 1993	Anderson, et al.			
AE		5,354,361	October 11, 1994	Coffield			
AF		5,474,595	December 12, 1995	McCombs			
AG		5,584,669	December 17, 1996	Becker			
AH		5,593,478	January 14, 1997	Hill, et al.			
AI		5,704,964	January 6, 1998	Kaneko, et al.			
AJ		5,730,778	March 24, 1998	Hill, et al.			
AK		5,858,062	January 12, 1999	McCulloh, et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
AL							
AM							
AN							
AO							
AP							
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR							
AS							
AT							
EXAMINER				DATE CONSIDERED	29 Aug 02		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

JC921 U.S. PRO
097035612Form PTO-1449 U.S. Department of Commerce
Patent and Trademark OfficeLIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)Atty. Docket No.:
INVA-Q-CIP-2

Serial No.:

Applicant: Richey, et al.

Filing Date:
October 24, 2000

Group:

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
<i>BB</i>	AA	5,893,944	April 13, 1999	Dong	<i>1</i>	<i>1</i>	
<i>BB</i>	AB	5,988,165	November 23, 1999	Richey, II, et al.	<i>1</i>	<i>1</i>	
<i>AC</i>							
<i>AD</i>							
<i>AE</i>							
<i>AF</i>							
<i>AG</i>							
<i>AH</i>							
<i>AI</i>							
<i>AJ</i>							
<i>AK</i>							

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

EXAMINER

DATE CONSIDERED

21 Aug 02

*EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY OF PAPERS
ORIGINALLY FILED

Sheet 1 of 1

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.:

Serial No.: 09/695,612

INVA-Q-CIP-2

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant: Richey, et al.

Filing Date: 10/24/00

Group:

MAY 15 2002

U.S. PATENT DOCUMENTS

Examiner Initials Initials RAJADEN RAJADEN	Document Number	Date	Name	Class	Subclass	Filing date if appropriate
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AI						
AK						

RECEIVED
MAY 21 2002
TC 3100 MAIL ROOM

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
AL	WO 99/16529	April 8, 1999	WIPO			
AM						
AN						
AO						
AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

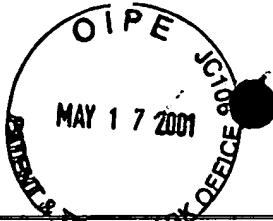
AR		
AS		
AT		

EXAMINER

DATE CONSIDERED

29 Aug 02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 1 of 1

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		Atty. Docket No.: INVA-Q-CIP-2	Serial No.: 09/695,612
		Applicant: Richey, et al.	
		Filing Date: October 24, 2000	Group: 3761

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclas	Filing date if appropriate
<i>SS</i>	RA	5,593,291	01/14/1997	Lynn			
	AB	5,405,249	04/11/1995	Benson			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED
MAY 21 2001
TECHNOLOGY CENTER 3100

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclas	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED

29 May 01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 1 of 1

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Atty. Docket No.:	Serial No.:		
				INVA-Q-CIP-2	09/695,612		
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant:			
				Richey, et al.			
				Filing Date:	Group:		
				October 24, 2000			
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
<i>SP</i>	AA	4,948,391	August 14, 1990	Noguchi			
<i>SP</i>	AB	4,983,190	January 8, 1991	Verrando et al.			
<i>SP</i>	AC	5,078,757	January 7, 1992	Rottner et al.			
<i>SP</i>	AD	5,154,737	October 13, 1992	Jenkins et al.			
<i>SP</i>	AE	5,248,320	September 28, 1993	Garrett et al.			
<i>SP</i>	AF	5,490,871	February 13, 1996	Coates et al.			
<i>SP</i>	AG	5,531,807	July 2, 1996	McCombs			
<i>SP</i>	AH						
<i>SP</i>	AI						
<i>SP</i>	AJ						
<i>SP</i>	AK						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
<i>SP</i>	AL	239 713	October 7, 1987	EP			
<i>SP</i>	AM	63-307101	December 14, 1988	JP			
<i>SP</i>	AN	64-28208	January 30, 1989	JP			
<i>SP</i>	AO	83/03983	November 24, 1983	WO			
<i>SP</i>	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
	AT						
EXAMINER				DATE CONSIDERED	<i>29 Aug 02</i>		
*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							